

WHAT IS CLAIMED IS:

1. A cutting-oil coater comprising
a spray feed portion,
5 an oil storage portion for storing oil for generating spray,
an oil feed means for feeding oil inside the oil storage portion to the oil spray feed portion, and
a spray conveying passage for conveying the oil spray inside the spray feed portion to the outside of the spray feed portion,
10 wherein the spray feed portion and the oil storage portion are formed separately from each other and can be remote arranged in different positions respectively, and the relative arrangement positions of the spray feed portion and the oil storage portion can be adjusted.
- 15 2. The cutting-oil coater according to claim 1, further comprising a return passage for allowing the oil inside the spray feed portion to return to the oil storage portion.
- 20 3. The cutting-oil coater according to claim 2, wherein the pressure inside the spray feed portion is higher than the pressure inside the oil storage portion, and the oil inside the return passage is conveyed to the oil storage portion due to the difference between the pressure inside the spray feed portion and the pressure inside the oil storage portion.
- 25 4. The cutting-oil coater according to claim 2, wherein an inlet of the return passage in the spray feed portion is an orifice with a narrower diameter with respect to the return passage.
- 30 5. The cutting-oil coater according to claim 2, wherein the inlet of the return passage has a narrower diameter portion whose cross-sectional area is in the range from 0.05 mm^2 to 0.15 mm^2 .
6. The cutting-oil coater according to claim 2, wherein a cross-sectional area of the inlet of the return passage is variable.
- 35 7. A cutting device comprising a cutting oil coater according to claim 1.